1884 to 1888

1236 to 1285

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1236 to 1285

10-.25 acc Log reg 36, no

Menamsha Bight

1887-7 1888

1236

Specimens obtained

Hornless starfish dried skull

Cannon.

TEMPERATURE RECORD.

Instrument used, Bean Trowel

Current number of observation, 1236

Date, Aug 30 1887

Locality, Block Island Sound

Bearings, Lighthouse Light N S x E 1/2 E Kettle Point Ledge N x E
Nomans Land E E x E 1/4 E

Time of day, 9.03 am, of tide, W

State of sky, Cc

Temperature of air, 65

" surface of water, 62

" at depth of fathoms,

" of bottom, 60

Depth, in fathoms, 19.5

Nature of bottom, Hard

Direction of ~~surface current~~ Wind SSW

Force of ~~surface current~~ Wind 2

Direction of ~~bottom current~~ Drift SxE 3/4

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer James Smith
Master U S N

Name and position of observer, J M Leighton
Master U S N

1237

REMARKS.

Specimens Obtained
Hermit's Back Shell, Lobsters
Skate Egg

TEMPERATURE RECORD.

Instrument used, Bacon Thermometer

Current number of observation, 1237

Date, Aug 30th 1867

Locality, Block Island Sound

Bearings, Gayhead Lt S & W

Gr Island Lands S 86 E 5/8 E Cuttyhunk N 6 W

Time of day, 12 Am ; of tide, N

State of sky, Vc

Temperature of air, 67

" surface of water, 64

" at depth of fathoms,

" of bottom, 58

Depth, in fathoms, 20

Nature of bottom, Hard

Direction of ~~surface current~~, Wind Calm

Force of ~~surface current~~, Mod 0

Direction of ~~bottom current~~, Drift

Force of bottom current, 3/4

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith

Name and position of observer, J M Leighton

Master

REMARKS.

Specimen without
~~Orbin~~ dark Shells & works

TEMPERATURE RECORD.

Instrument used, Dodge

Current number of observation, 1238

Date, Aug 30th 1887

Locality, Block Island Sound

Bearings, Gay Head Lt E ½ N ⅛ N

Lenity Punk N E ½ N ⅛ N to Main Land E & E

Time of day, 10.45 am; of tide, W

State of sky, Oc

Temperature of air, 65

" surface of water, 64

" at depth of fathoms,

" of bottom, 61

Depth, in fathoms, 20E

Nature of bottom, Sand & broken shell

Direction of ~~surface current~~ Wind South

Force of ~~surface current~~ Wind 2

Direction of ~~bottom current~~ Drift ½

Force of bottom current,

Name of vessel, U.S.F.C. Fish Hawk

To what service attached, U.S.F.C.

Name and rank of commanding officer, James Smith
Mate U.S.F.C.

Name and position of observer, John Leighton
Mate U.S.F.C.

1239

REMARKS.

Specimens obtained
Skate Sculpin Halibut flounder

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1239

Date, August 30th 1887

Locality, Block Island Sound

Bearings, Gen & Southern Light Ship N 18° W 6
Cuttyhunk Lt N 8. Fishing Land S 8° W 8

Time of day, 11.35 am ; of tide, W

State of sky, Clear

Temperature of air, 65

" surface of water, 62

" at depth of fathoms,

" of bottom, 61

Depth, in fathoms, 16

Nature of bottom, Hard

Direction of ~~surface current~~ Wind W

Force of ~~surface current~~ Wind 2

Direction of ~~bottom current~~ Wind 1/2

Force of bottom current,

Name of vessel, U.S. Fish Hawk

To what service attached, U.S.F.C.

Name and rank of commanding officer, Lt Commd Smith
Mate Hoffman

Name and position of observer, J. M. Smith
Mate U.S.N.

1245

REMARKS.

Chairman Attorney
Recite facts of case
Plaintiff's to show fraud

TEMPERATURE RECORD.

Instrument used. Blum Trowel

Current number of observation, 1240

Date, August 26th 1887

Locality. Block Island Sound

Bearings. Vineyard Sound Lighthouse N W ½ W
Cuttyhunk E ¼ S ½ S Nomans Land SSE ½ E

Time of day, 12.44 PM; of tide, M

State of sky, 2C

Temperature of air, 64

" surface of water, 62

" at depth of fathoms,

" of bottom, 60

Depth, in fathoms, 18.5

Nature of bottom, Blue mud

Direction of ~~surface current~~ Wind SW

Force of ~~surface current~~ Wind 2

Direction of ~~bottom current~~ Drift B ½

Force of bottom current.

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H Ennis
Grade U S N

Name and position of observer, J Middleton
Grade U S N

1246

REMARKS.

specimens [illegible]
[illegible] skull [illegible]

TEMPERATURE RECORD.

Instrument used. Sondge W

Current number of observation, 124

Date, Sept 5th 1887

Locality, Vineyard Sound

Bearings. Bishop Clerks Sc E 3/4 N
Lucernant Light Ship N N W 3/4 N

Time of day, 10.27 ; of tide. E

State of sky, bc

Temperature of air. 70

" surface of water, 68

" at depth of fathoms,

" of bottom. 69.5

Depth, in fathoms, 21

Nature of bottom. Sand mixed shell

Direction of ~~surface current~~. Wind East

Force of ~~surface current~~. Wind 2

Direction of ~~bottom current~~. Drift Ebb E

Force of bottom current, ~~Ebb E~~

Name of vessel, U S F Fish Hawk

To what service attached. U S F C

Name and rank of commanding officer, Lieut Smith
U S N

Name and position of observer, [illegible]
[illegible] U S F

1242

REMARKS.

Specimens Obtained
Spider Crabs. Horseshoe Crabs
Star fish ~~and~~ dead ~~shells~~ Sand
live shell & Squid.

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1242

Date, Sept 5th 1887

Locality. Vineyard Sound

Bearings. Bishop & Clerks Lt E 1/2 N
Lucconnet Lt Ship W 1/4 N

Time of day, 10.50 am; of tide, E

State of sky, Vc

Temperature of air, 70

" surface of water, 68

" at depth of fathoms.

" of bottom, 69.

Depth, in fathoms, 18

Nature of bottom, Sand & Shell

Direction of ~~surface current~~. Wind East

Force of ~~surface current~~. Wind 2

Direction of ~~bottom current~~ Wind N N W 1/4

Force of bottom current,

Name of vessel. U S F Fish Hawk

To what service attached. U S F C

Name and rank of commanding officer. James H Smith
Mate U S F

Name and position of observer, [illegible]
Mate U S F

1243

REMARKS.

[illegible]
small tube [illegible] sponge

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1248

Date. Sept 5th 1887

Locality. Vineyard Sound

Bearings. Bishop & Clerks Lt 6 1/2 N
Lucas Point Lt Ship W 1/4 N

Time of day. 11.15 am; of tide. E

State of sky, Cc

Temperature of air, 70

" surface of water, 68

" at depth of fathoms,

" of bottom, 69.5

Depth, in fathoms, 15.5

Nature of bottom, Sand shell & weed

Direction of ~~surface current~~ Wind East

Force of ~~surface current~~ Wind 2

Direction of ~~bottom current~~ Drift N X E

Force of bottom current.

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James Smith Lt
Master U S N

Name and position of observer, [illegible]
[illegible]

1244

REMARKS.

Specimen Obtained
Mondha Shelar

TEMPERATURE RECORD.

Instrument used. Andrew

Current number of observation. 1244

Date. Sept 5th 1887

Locality. Vineyard Sound

Bearings. Hyannis N E X N 1/8 N

Bishop & Clerks S E 1/2 S Cuttyhunk E S E Ship N 1/2 S

Time of day, 11.54 am; of tide. N

State of sky, Cu

Temperature of air, 70

" surface of water, 67

" at depth of fathoms,

" of bottom, 69.5

Depth, in fathoms, 5.5

Nature of bottom. Sand Mud Shell

Direction of ~~surface current~~ Wind South

Force of ~~surface current~~ Wind 2

Direction of ~~bottom current~~ Drift W X N 1/4

Force of bottom current.

Name of vessel. U S F C Fish Hawk

To what service attached. U S F C

Name and rank of commanding officer. James Horne

Lt Commdr USN

Name and position of observer.

Wellington

Chief Mate U S F C

1245

REMARKS.

Specimens Obtained
Winkles - Hermit Crabs
a few live Clams and
many dead Clam Shells
Kelp weed & Eel grass
a few small fish - Skate and
Sea robins

TEMPERATURE RECORD.

Instrument used, Bean Trawl

Current number of observation. 1245

Date. Sept 5th 1887

Locality. Off Hyannis

Bearings Hyannis St N 8 1/4 N
Bishop + Clerks St E 1/8 S Collins Beacon N × M 3/4 W

Time of day. 12,22 P.M. of tide. W

State of sky, b-c

Temperature of air, 68

" surface of water, 68

" at depth of fathoms,

" of bottom, 69.5

Depth, in fathoms, 4.5

Nature of bottom, Sand + Shell

Direction of ~~surface current~~ Wind Smooth

Force of ~~surface current~~ Wind 3

Direction of ~~bottom current~~ Wind W × N 12

Force of bottom current,

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith

Name and position of observer,

J Mulcrighton
Crate Mgr

1226

REMARKS.

Specimens Obtained
Conches Horse shoe Crabs
Slim

TEMPERATURE RECORD.

Instrument used, Brown Trawl

Current number of observation, 1246

Date, Sept 5th 1887

Locality, Off Hyannis

Bearings, Hyannis Lt N 6 1/2 W
Lestlin Beacon N Succonesset E 3/4 S

Time of day, 1 PM ; of tide, W

State of sky, bc

Temperature of air, 68

" surface of water, 68

" at depth of fathoms,

" of bottom, 69.5

Depth, in fathoms, 5-5

Nature of bottom, Sand & Shell

Direction of ~~surface current~~, Mnal SW

Force of ~~surface current~~, Mnal 2

Direction of ~~bottom current~~, Drift WxN 1/2

Force of bottom current.

Name of vessel, U.S.F.C. Fish Hawk

To what service attached, U.S.F.C.

Name and rank of commanding officer, James Horsfall
Mate U.S.F.C.

Name and position of observer, J. M. Leighton
Mate U.S.F.C.

1247

REMARKS.

Specimens Obtained
[illegible]
Dark Skate, flounders & sheet
Sea urchins Pectens.

1247

TEMPERATURE RECORD.

Instrument used, Beam Lowe

Current number of observation, 1247

Date, Sept 6th 1887

Locality. South of Martha's Vineyard 25 mile

Bearings,
Lat 41° 00' 45" Lon 71° 00' 05"

Time of day, 9.49 AM ; of tide, ~~Ebb~~

State of sky, vc

Temperature of air, 67

" surface of water, 65

" at depth of 15 fathoms, 62

" of bottom, 53.5

Depth, in fathoms, 27

Nature of bottom, Sand

Direction of ~~surface current~~, Wind SW

Force of ~~surface current~~, Wind 4

Direction of ~~bottom current~~, Drift NE½N 3/8

Force of bottom current,

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James Smith
Mate U S F C

Name and position of observer, [illegible]
Mate U S F C

12 ~ 1

REMARKS.

Specimens Obtained
from fish [illegible]
with [illegible]
and [illegible].

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1248

Date, Sept 6th 1887

Locality, South of Martha's Vineyard

Bearings, 1 mile N 18 W of [illegible]

Lat 41°.02'.00" Lon 71°.05'.00"

Time of day, 10. 3 hours of tide.

State of sky, V-C

Temperature of air, 68

" surface of water, 64

" at depth of 15 fathoms, 63

" of bottom, 55

Depth, in fathoms, 26.5

Nature of bottom, Sand

Direction of ~~surface current~~, Wind S W

Force of ~~surface current~~, Wind 4

Direction of ~~bottom current~~, Drift N E by N 3/8

Force of bottom current,

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H Smith
Mate U S F C

Name and position of observer, [illegible]
Mate U S F C

1209

REMARKS.

Specimens Obtained
[illegible] Sculpin

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1249

Date, Sept 6th 1887

Locality, South of Martha's Vineyard ~~[illegible]~~

Bearings, 2 miles off E end East [illegible] 2½ miles

Lat 41° 04.00' Lon 70 59.30"

Time of day, 11.29 am, of tide,

State of sky, Cl

Temperature of air, 67

" surface of water, 64

" at depth of 12 fathoms, 63

" of bottom, 57

Depth, in fathoms, 225

Nature of bottom, hard

Direction of ~~surface current~~, Mod SW

Force of ~~surface current~~, Mod 4

Direction of ~~bottom current~~, Mod NE by N 3/6

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached. U S F C

Name and rank of commanding officer. James A Smith
Master U S N

Name and position of observer. J Milnrighton
Mate U S F C

REMARKS.

Specimens Obtained
Hermits and Opilions
Will Hike Lecture

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation. 250

Date, Sept 6th 1887

Locality. South of Martha's Vineyard

Bearings. 2 miles N x E of East Harbor

Lat 41° 06.00" Long 70° 39.15"

Time of day, 12.30 PM; of tide. —

State of sky, Cloudy

Temperature of air, 67

" surface of water, 64

" at depth of 10 fathoms, 65

" of bottom, 58.5

Depth, in fathoms, 20.5

Nature of bottom, Sand

Direction of ~~surface current~~, Mud SW

Force of ~~surface current~~, Wind 4

Direction of ~~bottom current~~, Drift N 6 p N

Force of bottom current,

Name of vessel. U S S Fish Hawk

To what service attached, Ueb 7 B

Name and rank of commanding officer, James H Smith Mate U S N

Name and position of observer, J M Leighton Mate U S N

1251

REMARKS.

Specimens Obtained
[illegible]
Florida [illegible]

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1257

Date, Sept 6th 1887

Locality, South of Martha's Vineyard

Bearings, 4 miles W & E of last [illegible]

Lat 41°10'.00" Long [illegible]

Time of day, 1.36 PM ; of tide.

State of sky, [illegible]

Temperature of air, 67

" surface of water, 64

" at depth of 10 fathoms, 62

" of bottom, 60

Depth, in fathoms, 17

Nature of bottom, Sand

Direction of ~~surface current~~ Wind SW

Force of ~~surface current~~ Wind 4

Direction of ~~bottom current~~ tide N E½ N

Force of bottom current.

Name of vessel, U S F Fish Hawk

To what service attached, 26676

Name and rank of commanding officer, Ernest Smith
Master U S N

Name and position of observer, [illegible]
Master U S N

1252

REMARKS.

Specimens Obtained
Starfish Skate Flounder
Sand Crabs

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1252

Date, Aug 20th 1888

Locality, Menemsha Bight

Bearings, Lighthouse W.N.W. 3/4 N

Inshore line W.S.E. 1/2 Lighthouse south

Time of day, 1050 ; of tide, East

State of sky, Vc

Temperature of air, 69

" surface of water, 65

" at depth of ~~[illegible]~~ fathoms,

" of bottom, 63

Depth, in fathoms, 10

Nature of bottom, Sand

Direction of ~~surface current,~~ Wind N W

Force of ~~surface current,~~ Wind 4

Direction of ~~bottom current.~~ Drift N N W 18

Force of bottom current.

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H Smith
Lieut U S F C

Name and position of observer, [illegible]
Asst U S F C

1253

REMARKS.

Specimens Obtained
Sand bottom Crabs Hermit &c.
Santa Cruz Anchor. Kelp

TEMPERATURE RECORD.

Instrument used, Beaue Trowel

Current number of observation, 1253

Date, Aug 28th 1888

Locality, Frenemuder Bight

Bearings, Tompkins Land N & W E
Eg head W & W, Linden Hole N & W

Time of day, 11.05 am; of tide, Ecoat

State of sky, hc

Temperature of air, 69

" surface of water, 64

" at depth of fathoms,

" of bottom, 63

Depth, in fathoms, 10

Nature of bottom, Sand

Direction of ~~surface current~~ Wind, N W

Force of ~~surface current~~ Wind, 4

Direction of ~~bottom current~~ Wind, N N W

Force of bottom current,

Name of vessel, Pt Clark Launch

To what service attached, U S C & G S

Name and rank of commanding officer, James H Smith
Acting Ast

Name and position of observer, Armington
Acting Ast

1254

REMARKS.

Specimens Obtained
Lobster & crabs Sea Robins Skate
Flounders & ~~crabs~~ Kelp

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 12574

Date, August 23 1911

Locality, Menemsha Bight

Bearings, Lighthouse West N 5/8 E
Gay Head W x N Quicks Hole N x W 3/4 W

Time of day, 11.23 ; of tide, East

State of sky, Vc

Temperature of air, 68.5

" surface of water, 64.5

" at depth of fathoms,

" of bottom, 63

Depth, in fathoms, 9

Nature of bottom, Sand

Direction of ~~surface current~~ Wind, N W

Force of ~~surface current~~ Wind, 4

Direction of ~~bottom current~~ tide, N N W 1/4

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H Smith
Capt U S N

Name and position of observer, J Mellington
Meteorologist

1255

REMARKS.

Specimens Obtained
Huge White Clam Shells Found.
Bird + Eggs

TEMPERATURE RECORD.

Instrument used, Beaus Lowe

Current number of observation. 1255

Date. August 28th 1888

Locality, Menemsha Bight

Bearings. Lighthouse Town N N E

Gayhead W N W ½ W Chicken Hole N N W ½ W

Time of day, 11.45 ; of tide, East

State of sky, Dc

Temperature of air, 68.5

" surface of water, 65

" at depth of fathoms,

" of bottom, 63

Depth, in fathoms, 10 ~~4~~

Nature of bottom, Sand

Direction of ~~surface current~~ Wind NW

Force of ~~surface current~~ Wind 4

Direction of ~~bottom current~~ Drift NNW

Force of bottom current, 1/4

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H Moore U S Mate U S N

Name and position of observer, J M Leighton Mate U S N

1256

REMARKS.

Specimens obtained
Kelp [illegible]

TEMPERATURE RECORD.

Instrument used, Nudge

Current number of observation, 1256

Date, Aug 23rd 1888

Locality, Vineyard Sound

Bearings, West end No Man's Land S 3/4 E
Vineyard St. Lt Ship N W. Gayhead S E 1/2 S 1/4 S

Time of day, 12.36 PM ; of tide, East

State of sky, Clear

Temperature of air, 62

" surface of water, 64

" at depth of fathoms,

" of bottom, 61

Depth, in fathoms, 16

Nature of bottom, Sand broken shells

Direction of ~~surface current~~, Wind N W

Force of ~~surface current~~, Wind 4

Direction of ~~bottom current~~, Weight E x N

Force of bottom current, 1/4

Name of vessel, U S L S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James Smith
Master U S F C

Name and position of observer, J M Leighton
Mate U S F C

1257

REMARKS.

Specimens obtained
by Rev. Robt. Jones, Aberte
Coast, Sullivan County

TEMPERATURE RECORD.

Instrument used, Reeve Frame

Current number of observation, 1257

Date, Aug 23 1888

Locality, Vineyard Sound

Bearings, Vineyard Lt Ship N x W ½ W
Cuttyhunk N x W ½ W Gay Head S E ¾ E

Time of day, 8.38 Am; of tide, Ebb

State of sky, Dc

Temperature of air, 64

" surface of water, 64

" at depth of fathoms,

" of bottom, 59

Depth, in fathoms, 14

Nature of bottom, Sand [illegible]

Direction of ~~surface current,~~ Wind W.N.W

Force of ~~surface current,~~ Wind 3

Direction of ~~bottom current~~. Drift N N E 1/8

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James Smith
Mate U S N

Name and position of observer, J M Leighton
Mate U S N

1208

REMARKS.

Specimens Aplousia
Sea Robins Hair skate &
Flounders. Kelp

TEMPERATURE RECORD.

Instrument used. Beam Trawl

Current number of observation. 1258

Date. Aug 23d 88

Locality. Vineyard Sound

Bearings. Vineyard Lt Ship N by W
Cuttyhunk N N W 1/2 W Gay Head S E 1/2 E

Time of day. 12 6 PM : of tide. Neat

State of sky, Cl

Temperature of air, 63.5

" surface of water. 64

" at depth of fathoms,

" of bottom, 59

Depth, in fathoms, 15.5

Nature of bottom, Sand

Direction of ~~surface current~~ Wind West

Force of ~~surface current~~ Wind 3

Direction of ~~bottom current~~ Wind S x E 3/8

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer James A Smith
Master U S N

Name and position of observer, J H Livingston
Chief Sci

1259

REMARKS.

Specimens Obtained
Lilies sponge shells Fossil bone
Kelp tick

TEMPERATURE RECORD.

Instrument used. Beam Trawl

Current number of observation. 1259

Date, Aug 23" 88

Locality. Vineyard Sound

Bearings. Vineyard Co Slip N N x W 1/4 W
Gay Head N 1/2 W Gay Head E 1/2 N

Time of day. 2 PM : of tide. Ebb Mid

State of sky, Vc

Temperature of air, 64.5

" surface of water, 64.5

" at depth of fathoms,

" of bottom. 58.5

Depth, in fathoms, 18

Nature of bottom, Sand

Direction of ~~surface current~~. Wind West

Force of ~~surface current~~. Wind 3

Direction of ~~bottom current~~. Drift N E x N 1/2

Force of bottom current.

Name of vessel. U S Fish Hawk

To what ~~service~~ attached. USFC

Name and rank of commanding officer.

Name and position of observer, J Milnerighton
Mate

1260

REMARKS.

Specimens Obtained
with Shell

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation. 1260

Date, Aug 23 88

Locality, Vineyard Sound

Bearings. Vineyard to Ship N & N 1/2 N
Gulfhead N & E Gayhead S E 1/2 E

Time of day, 2.30 PM : of tide, Neut

State of sky, Vc

Temperature of air, 65

" surface of water, 64

" at depth of fathoms,

" of bottom, 60

Depth, in fathoms, 16

Nature of bottom. Sand Mud & Broken Shell

Direction of ~~surface current~~, Wind West

Force of ~~surface current~~, Wind 3

Direction of ~~bottom current~~, Drift N S W 1/2

~~Force of bottom current~~

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

Name and position of observer, J Pilsbury
Mate U S F C

1261

REMARKS.

Specimens Obtained
State Permit Louis Kolb

TEMPERATURE RECORD.

Instrument used. Bissaye Naud

Current number of observation, 1261

Date. August 23 85

Locality. Vineyard Sound

Bearings, Vineyard Sta Ship N W ½ W ½ W
Gay Head E ½ N ½ N Gay Head N E ½ E

Time of day, 3.06 PM ; of tide, neat

State of sky, Cu

Temperature of air, 64.5

" surface of water, 63

" at depth of fathoms.

" of bottom, 61

Depth, in fathoms. 14.5

Nature of bottom. Sand

Direction of ~~surface current~~. Nearly neat

Force of ~~surface current~~, 3

Direction of ~~bottom current~~. Drift N E

Force of bottom current.

Name of vessel. U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

Name and position of observer. J Mc Nichols
Acting Ensign

1262

REMARKS.

Specimen Abbot [illegible]
Razor shell clams [illegible]
Rock spong Puffin. Mussels
Shrimp Scallop Scup Sea Robins
Whelk. Skate Oyster

TEMPERATURE RECORD.

Instrument used, Blown Trawl

Current number of observation. 1262

Date. Aug 28' 88

Locality. Off Falmouth Vineyard Sound

Bearings. Falmouth Heights N 85 E
Nobska Lt N 30 W N 85 W West Chop Lt No S 85 E

Time of day. 10 11 AM; of tide. East

State of sky, Bc

Temperature of air, 65

" surface of water, 67

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 5

Nature of bottom. Sandy

Direction of ~~surface current~~ Winds N

Force of ~~surface current~~ Wind 5

Direction of ~~bottom current~~ Drift N E X E 78

Force of bottom current.

Name of vessel, Ho 176 to Fish Hawk

To what service attached, Ho 176.

Name and rank of commanding officer, James A Grant
Chief U S N

Name and position of observer. Wellington
Mate U S N

1263

REMARKS.

Specimens obtained
Same as 1262

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 12 63

Date, Aug 28 88

Locality, Off Falmouth Hing and Cuttyhunk

Bearings, Falmouth Heights N 8 5/4 W

Cuttyhunk Lotto N 8 1/2 E Mat Chop S E 8 1/2 E

Time of day, 10 2 AM; of tide, East

State of sky, Dec

Temperature of air, 64

" surface of water, 67

" at depth of fathoms,

" of bottom, 67

Depth, in fathoms, 5

Nature of bottom, Sand

Direction of ~~surface current~~ wind, N W

Force of ~~surface current~~ wind, 5

Direction of ~~bottom current~~ drift, N E 1/2 N

Force of bottom current,

Name of vessel, U S F B Fish Hawk

To what service attached, U S F B

Name and rank of commanding officer, Lewis A Lucas
Mate U S F C

Name and position of observer, F M Loughlin
Mate U S F C

1264

REMARKS.

Specimens Obtained
from wells dear fish Sea Urchins
Scallops flat fish Frog Crab
Rock sponge sea weed & Eel grass
Cancho

TEMPERATURE RECORD.

Instrument used, Reans Thermometer

Current number of observation, 1264

Date, Aug 28 88

Locality, [illegible]

Bearings, Falmouth Heights N 46½ E
Nobska Lt Ho N 3¾ S, Nut Chop Lt Ho S 46¾ E

Time of day, 10 A.M. ; of tide, Ebb

State of sky, Fair

Temperature of air, 66

" surface of water, 67

" at depth of fathoms,

" of bottom, 67

Depth, in fathoms, 8

Nature of bottom, Sand

Direction of ~~surface current~~, Wind N W

Force of ~~surface current~~, Moderate

Direction of ~~bottom current~~, Light N E - E 1/8

Force of bottom current,

Name of vessel, Co of the Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, [illegible]
Master U S N

Name and position of observer, [illegible]
Master U S N

1265

REMARKS.

Specimen Obtained
Dead shells Sand Crabs Hermit Crabs
Rock Sponge Ell grass

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation. 1265

Date, Aug 28 88

Locality. Off Falmouth Vineyard Sound

Bearings. West chop S 86 1/4 E

Nobska Lt W 75 N. East chop Lt S 2 1/4 E

Time of day, 11,04 ; of tide, Ebb

State of sky, Fr

Temperature of air. 66

" surface of water, 67

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 18

Nature of bottom, Sand

Direction of ~~surface current~~ Wind, NW

Force of ~~surface current~~ Wind, 5

Direction of ~~bottom current~~ Wind NE

Force of bottom current. 18

Name of vessel, U. S. F. C. Schr Grampus

To what service attached, U S F C

Name and rank of commanding officer. James Benedict
Lieutenant

Name and position of observer, J Nickerson
Lieutenant

1266

REMARKS.

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation. 1266

Date. Aug 28th 88

Locality. Off Hyannis Vineyard Sound

Bearings. Lt House on Shiff N x W 1/8 W

Collins Beacon N 7/8 E Bishop & Clerk Lt N 5 x E 1/4 E

Time of day. 12,14 PM ; of tide. Ebb

State of sky, Cl

Temperature of air, 67

" surface of water, 70

" at depth of fathoms,

" of bottom, 69.5

Depth, in fathoms, 16.5

Nature of bottom, Sand

Direction of ~~surface current~~ mud, N W

Force of ~~surface current~~ mud, 5

Direction of ~~bottom current~~ surface, N E

Force of bottom current,

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, Lieut Commdr Tanner USN

Name and position of observer, J Willington Master U S N

1267

REMARKS.

Thomas Blaine
[illegible]

TEMPERATURE RECORD.

Instrument used, Negretti

Current number of observation, 1267

Date, Aug 21 81

Locality, [illegible] Vineyard Sound

Bearings, Lieutenant St Ship N & S

Collins Beacon N E 1/8 N. Bishop & Clerks N E & E 3/4 E

Time of day, 12.45 PM ; of tide, Ebb

State of sky, Oc

Temperature of air, 66

" surface of water, 69

" at depth of fathoms,

" of bottom, 69

Depth, in fathoms, 15.5

Nature of bottom, Shell Mother of Pearl

Direction of ~~surface current~~, Mud N W

Force of ~~surface current~~, Mud 5

Direction of ~~bottom current~~, Light N & E

Force of bottom current,

Name of vessel, [illegible]

To what service attached, [illegible]

Name and rank of commanding officer, [illegible] Smith
Mate U S N

Name and position of observer, J Hodgington
Mate U S N

1205

REMARKS.

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation. 1268

Date. May 21 88

Locality. Off Wyannis Vineyard Sound

Bearings. Gurnet Lt & Ship N 44 1/2 W
Gallins Beacon N & B, N Bishop & Clerks Lt N E & E 1/2 E

Time of day, 12 55 PM ; of tide, Ebb

State of sky, Fair

Temperature of air, 62°

" surface of water, 61.5°

" at depth of fathoms,

" of bottom, 69

Depth, in fathoms, 17

Nature of bottom, Sand

Direction of ~~surface current~~, South N W

Force of ~~surface current~~, Fresh 5

Direction of ~~bottom current~~, West N E N

Force of bottom current,

Name of vessel, U S F C Fish Hawk

To what service attached, N O & F C

Name and rank of commanding officer, Lieut Lemuel Smith
U S N

Name and position of observer, Arlington
Fish Hawk

1269

REMARKS.

[illegible]

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1269

Date, May 25

Locality, Off Hyannis Vineyard Sound

Bearings, Buzzards Nest Lt Ship N W x W ½ W

Collins Rock N ½ E, Bishop & Clerk N E x E 1/4 E

Time of day, 1:18 PM ; of tide, Ebb

State of sky, Dr

Temperature of air, 64

" surface of water, 68.5

" at depth of fathoms,

" of bottom, 69

Depth, in fathoms, 13.

Nature of bottom, Sand

Direction of ~~surface current~~ wind N W

Force of ~~surface current~~ wind S

Direction of ~~bottom current~~ ship N N E 1/4

Force of bottom current,

Name of vessel, U S F C Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H. Moore
Lieut Comdr

Name and position of observer, J M Pillsbury
Lieut Comdr

1270

REMARKS.

[illegible]
[illegible]
[illegible]
[illegible]

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1270

Date, Aug 21 [illegible]

Locality, [illegible] Vineyard Sound

Bearings, Lucconnessett Lt Ship NNW
Colliers Beacon N x E ½ E, Bishops Island Lt N E ¼ N

Time of day, 1.44 PM ; of tide, East

State of sky, Cloudy

Temperature of air, 65

" surface of water, 68

" at depth of fathoms,

" of bottom, 69

Depth, in fathoms, 13

Nature of bottom,

Direction of ~~surface current~~ wind, N W

Force of ~~surface current~~ wind, 5

Direction of ~~bottom current~~ swift, N E x N

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Master U S N

Name and position of observer, J Merighton
Master U S N

1271

REMARKS.

Specimen Albinos
Skeleton Snake Mussels & Shells
rock weed & sponges

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1271

Date, Aug 28 88

Locality, Off Hyannis Inner Sound

Bearings, Lighthouse Lt Ship N W ½ W

Bearings Beacon N 45½ E. Bishop & Clerk N E ½ E 6¾ E

Time of day, 2.10 PM ; of tide, Ebb

State of sky, Cloudy

Temperature of air, 64

" surface of water, 68

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 10

Nature of bottom, Sand

Direction ~~of surface current~~, West N W

Force of ~~surface current~~, West 5

Direction ~~of bottom current~~, 10 miles E ½ N

Force of bottom current,

Name of vessel, U S F C Launch

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Master

Name and position of observer, [illegible]
[illegible]

1272

REMARKS.

Specimen. Wrinkl
Flat pitch skate Star Nile Reign
Many caps crocks Lin Rokkino

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1472

Date, Sept 3rd 88

Locality, [illegible] Vineyard Sound

Bearings, Gay Head W 3/4 S

Cuttyhunk Hole N 1/2 W Tarpaulin Cove N E 1/2 N

Time of day, 10.58 ; of tide, West

State of sky, C-C

Temperature of air, 68

" surface of water, 66

" at depth of fathoms,

" of bottom, 64

Depth, in fathoms, 7

Nature of bottom, Sand

Direction of ~~surface current~~, Wind SE

Force of ~~surface current~~, 3

Direction ~~of bottom current~~, Weight 7.5 lbs

Force of bottom current,

Name of vessel, U.S. Fish Commission

To what service attached, U.S.F.C.

Name and rank of commanding officer, [illegible]

Name and position of observer, [illegible]

1273

REMARKS.

Specimens Missing
Same as 1472

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1273

Date, Sept 3rd 88

Locality, Vineyard Sound Off Tisbury and Edgartown

Bearings, Gay Head W 5/8 S

Cuttyhunk Hole N 3/8 W Tarpaulin Cove W 1/4 N E

Time of day, 11.15 am ; of tide, Neap

State of sky, bc

Temperature of air, 68

" surface of water, 67.5

" at depth of fathoms,

" of bottom, 61

Depth, in fathoms, 8

Nature of bottom, Sand

Direction of ~~surface current~~ Wind SE

Force of ~~surface current~~ Wind 3

Direction of ~~bottom current~~ Land W 1/2 S may. "

Force of bottom current.

Name of vessel, U S F C Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

Name and position of observer, John Coughlin Master

127

REMARKS.

Specimens of Animals
Water Heate in Bottom Young
scale

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation. 1274

Date, Sept 8 [illegible]

Locality. [illegible]

Bearings. Gayhead N 71 W
Cuttyhunk Hole N 7/4 W Tarpaulin Cove N x E 7/8 E

Time of day. 11.35 Am ; of tide. Neap

State of sky, [illegible]

Temperature of air, 68

" surface of water, 66.5

" at depth of fathoms,

" of bottom, 64.5

Depth, in fathoms, 8

Nature of bottom, Sand

Direction of ~~surface current~~ wind, S E

Force of ~~surface current~~ wind, 3

Direction of ~~bottom current~~ wind [illegible]

Force of bottom current.

Name of vessel. U S F C Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer. [illegible]

Name and position of observer. [illegible]

1275

REMARKS.

Specimen Maine
same as 1274

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1275

Date, Sept 8 98

Locality, [illegible] Bay [illegible] Ring and [illegible]

Bearings, Eastern [illegible] N

Guido Hole [illegible] N Larpentin [illegible] N x E 3/4 E

Time of day, [illegible] : of tide. rest

State of sky, [illegible]

Temperature of air. 68

" surface of water, 69

" at depth of fathoms,

" of bottom, 64.5

Depth, in fathoms, 7

Nature of bottom, [illegible]

Direction of ~~surface current~~ wind N E

Force of ~~surface current~~ wind 3

Direction of ~~bottom current~~ drift N E [illegible] 1/4

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, [illegible]

Name and position of observer.

1276

REMARKS.

Specimens examined
[illegible]

TEMPERATURE RECORD.

Instrument used, Sharp, Roche Lindgren

Current number of observation, 1276

Date, Sept 3rd 88

Locality, Vineyard Sound

Bearings, Gayhead S W 3/4 W

Vineyard Sd S 1/4 W & N W Tarpaulin Cove N E 7/8 N

Time of day, 12.27 Pm; of tide, mid

State of sky, bc

Temperature of air, 68

" surface of water, 67

" at depth of fathoms,

" of bottom, [illegible]

Depth, in fathoms, 11.5

Nature of bottom, Sand & Mud

Direction of ~~surface current~~, Wind S E

Force of ~~surface current~~, wind 3

Direction of ~~bottom current~~, Flood [illegible] 8 [illegible]

Force of bottom current.

Name of vessel, Yacht Fish Hawk

To what service attached, Yacht 76

Name and rank of commanding officer, [illegible]

Name and position of observer, [illegible]

1277

REMARKS.

TEMPERATURE RECORD.

Instrument used, Chester Patent Bridge

Current number of observation, 1277

Date, Sept 3 [illegible]

Locality, Vineyard Sound

Bearings, Tarpaulin Cove N & N 1/8 E
Vineyard St Ship N & N 5/8 E Gay head S & W 5/8 W

Time of day, 12 M & 1 PM; of tide, Mid

State of sky, Dc

Temperature of air, 68

" surface of water, 65

" at depth of fathoms,

" of bottom, 64

Depth, in fathoms, 12

Nature of bottom, Sand mud

Direction of ~~surface current~~ Wind SW

Force of ~~surface current~~, Wind 2

Direction of ~~bottom current~~ Ship [illegible]

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer, [illegible]
Mate [illegible]

Name and position of observer, [illegible]
Mate [illegible]

1278

REMARKS.

[illegible]
[illegible] Dollars [illegible] that the
[illegible], [illegible]
[illegible]

TEMPERATURE RECORD.

Instrument used, Beaum Travel

Current number of observation, 1278

Date, Sept 3 [illegible]

Locality, Vineyard Sound

Bearings, Vineyard Lt Ship S W x W 3/4 W
Sarpaulin Cove N E 1/2 N Gayhead S W 3/4 W

Time of day, 1.25 PM ; of tide, Ebb

State of sky, bc

Temperature of air, 67

" surface of water, 65

" at depth of fathoms.

" of bottom. 64

Depth, in fathoms, 12.5

Nature of bottom, Sand

Direction of ~~surface current~~ Wind S W

Force of ~~surface current~~ Wind 2

Direction of ~~bottom current~~ Drift S W x W 1/2 W Mag

Force of bottom current.

Name of vessel, No 1 Str Fish Hawk

To what service attached, No 1 Zo

Name and rank of commanding officer, [illegible]
Master U S N

Name and position of observer, [illegible]
Master U S N

1279

REMARKS.

[illegible] obtained
[illegible]
Okanogan Lake Robbins, Kennedy and
Hoite [illegible] landings

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1279

Date, Sept 3 '98

Locality. Vineyard Sound

Bearings. Vineyard Lt Ship W N W
Tarpaulin Cove N E x N Gay Head S W 1/8 S

Time of day, 1-5 ; of tide, Ebb

State of sky, Cl

Temperature of air, 67

" surface of water, 65

" at depth of fathoms,

" of bottom, 64

Depth, in fathoms, 15

Nature of bottom, Sand

Direction of ~~surface current~~ wind S E

Force of ~~surface current~~ wind 2

Direction of ~~bottom current~~ swell W 1/2 N Mag 1/4

Force of bottom current.

Name of vessel. U S Str Fish Hawk

To what service attached. Pol F C

Name and rank of commanding officer.

Name and position of observer,

1280

REMARKS.

Abalones All kinds
Sand dollars, Star fish, Pectens
Sea Robbins. Sea Urchins Hermit Crabs
Sand crabs Flat fish, Sea Ravens

TEMPERATURE RECORD.

Instrument used, Bacon Trawl

Current number of observation, 1280

Date, Sept 3 [illegible]

Locality, Vineyard Sound

Bearings, Vineyard Sc Ship N by W x W by W 1/4 W
Tarpaulin Cove N by E 1/4 E Gay Head S W by W 1/4 S

Time of day, 2.[illegible] PM : of tide, Ebb

State of sky, bc

Temperature of air, 72

" surface of water, 69

" at depth of fathoms,

" of bottom, 63

Depth, in fathoms, 16

Nature of bottom, Sand shell

Direction of ~~surface current~~ wind S E

Force of ~~surface current~~ wind 3

Direction of ~~bottom current~~ tide ~~[illegible]~~ S x W 1/8 W Mag 1/8

Force of bottom current.

Name of vessel, U S C S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H. Smith
Mate U S N

Name and position of observer, J McKnight
Mate U S N

1281

REMARKS.

Maximum Obtained
Varied in Summers
King Jr. Lanberg

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1281

Date, Sept 5th 88

Locality, Vineyard Sound

Bearings, Nobska to S W ~~X~~ W 1/2 W

West Chop S 1/4 W East Chop S & E 1/4 E

Time of day, 2.40 PM ; of tide, West

State of sky, Vc

Temperature of air, 70

" surface of water, 69

" at depth of fathoms,

" of bottom, 70

Depth, in fathoms, 3

Nature of bottom, Sand

Direction of ~~surface current~~ Wind, S W

Force of ~~surface current~~ Wind, 2

Direction of ~~bottom current~~ Wind, S W X W May 10

Force of bottom current,

Name of vessel, U S Str Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Master U S N

Name and position of observer, J S Leighton
Master U S N

1282

REMARKS.

Specimens Obtained
Land [illegible] Lee Robbins
Spider Crabs, Kelp, Black
Shells.

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1282

Date, Sept 5th 88

Locality, Vineyard Sound

Bearings, Nobska N 1/4 N

West Chop S 5/8 W East Chop S x E 1/8 E

Time of day, 3 PM ; of tide, Ebb

State of sky, Clear

Temperature of air, 70

" surface of water, 67

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 5

Nature of bottom, Sand

Direction of ~~surface current,~~ wind SW

Force of ~~surface current,~~ wind 2

Direction of ~~bottom current.~~ tide SW x W mag 1/8

Force of bottom current,

Name of vessel, U S Str Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James Moore
Master U.S.N.

Name and position of observer,

1283

REMARKS.

Specimens obtained
lenche crabs (long)
Spider crabs, hermit crabs
scallop shells & star fish

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1382

Date, Sept 5th 88

Locality, Vineyard Sound

Bearings, Nobska W 1/8 S

West Chop S W 1/4 S East Chop S x W 3/4 W

Time of day, 3.38 PM; of tide, West

State of sky, Vc

Temperature of air, 68

" surface of water, 69

" at depth of fathoms,

" of bottom, 69

Depth, in fathoms, 13

Nature of bottom, Sand

Direction of ~~surface current~~ wind, SW

Force of ~~surface current~~ wind, 3

Direction of ~~bottom current~~ swell, S E x E 5/8 E May 88

Force of bottom current,

Name of vessel, U S C & G Fish Hawk

To what service attached, No 76

Name and rank of commanding officer, James Nowell
Master U S N

Name and position of observer,
J H Coughlin
Mate U S N

1284

REMARKS.

TEMPERATURE RECORD.

Instrument used, Reversing Thermometer

Current number of observation, 1264

Date, Sept 5th 88

Locality, Vineyard Sound

Bearings, Nobska N 1/8 W

West Chop SW East Chop SW x S 1/2 S

Time of day, 4.07 PM ; of tide, Ebb

State of sky, L C

Temperature of air, 68

" surface of water, 69

" at depth of fathoms,

" of bottom, 69

Depth, in fathoms, 6

Nature of bottom, Sand

Direction of ~~surface current~~ Wind. E x E

Force of ~~surface current~~ Wind, 3

Direction of ~~bottom current~~ Wind. West mag 1/4

Force of bottom current,

Name of vessel, Steam Launch

To what service attached, Steam Launch

Name and rank of commanding officer, James Smith
Master U.S.N.

Name and position of observer, J. McLaughlin
Master U.S.N.

1285

REMARKS.

Specimens Obtained
Spider Crabs Sponge Sea Urchins
Young scarp. Swell Fish

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1285

Date, Sept 5th 88

Locality, Vineyard Sound

Bearings, Tarpaulin Cove W x S 1/4 S

Gay head S W 7/8 W West Chop S E 1/4 S

Time of day, 5 PM ; of tide, Ebb

State of sky,

Temperature of air, 69

" surface of water, 68

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 12

Nature of bottom,

Direction of ~~surface current~~ wind, E x E

Force of ~~surface current~~ wind, 3

Direction of ~~bottom current~~ drift, S W x W Mag

Force of bottom current,

Name of vessel, U S F C Steamer Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H Smith
Ensign USFC

Name and position of observer,
J Lindenkohl
Draftsman

REMARKS.

So Ships S 93 W
B & Celestia N 76. E
6 Beacon N 55. E

Ships Head N ~~4~~ E & N ½ N #1276
Gay Head S 49 ½ W
Vineyard So Ships N 74 ½ W
Tarpaulin Cove N 40 ½ E

Q Portland - 13
2 Salmonds 15 - Aug 2 81